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NOTICE OF ALLOWANCE AND FEE(S) DUE

21171

7590

04/17/2008

STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005 EXAMINER

DOAN, JENNIFER

ART UNIT

PAPER NUMBER

2874

DATE MAILED: 04/17/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.

10/823,634 04/14/2004 Shinya Inagaki 826.1633D 4656

TITLE OF INVENTION: APPARATUS AND METHOD OF COMPENSATING FOR WAVELENGTH DISPERSION OF OPTICAL TRANSMISSION LINE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	07/17/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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ppropriate. All further adicated unless correcte anintenance fee notificat	correspondence including below or directed oth tions.	g the Patent, advance or erwise in Block 1, by (a	rders and notification a) specifying a new co	of m orresp	aintenance fees woondence address;	ill be and/or	mailed to the current (b) indicating a sepa	correspo rate "FE	ondence address as EE ADDRESS" for
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	RK AVENUE, N.W.			I here State addre trans	eby certify that thi s Postal Service w essed to the Mail	s Fee(s ith suf Stop	s) Transmittal is being ficient postage for firs ISSUE FEE address 1) 273-2885, on the day	deposite t class n above, o	ed with the United nail in an envelope or being facsimile ated below.
WASHINGTON	I, DC 20005								(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO:	RNEY DOCKET NO.	CONF.	IRMATION NO.
10/823,634 ITLE OF INVENTION INE	04/14/2004 J: APPARATUS AND I	METHOD OF COMPEN	Shinya Inagaki ISATING FOR WAV	ELEI	NGTH DISPERSI	ON OI	826.1633D F OPTICAL TRANSN	4ISSIO1	4656 N
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	1	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0			\$1740		07/17/2008
EXAM	INER	ART UNIT	CLASS-SUBCLASS						
DOAN, JE	ENNIFER	2874	385-027000						
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of u or agents OR, alter (2) the name of a sregistered attorney 2 registered patent	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.					
PLEASE NOTE: Unl recordation as set forth (A) NAME OF ASSIC	ess an assignee is identi h in 37 CFR 3.11. Comp GNEE	A TO BE PRINTED ON The fied below, no assignee eletion of this form is NO	data will appear on the Tasubstitute for filing (B) RESIDENCE: (C)	he pa g an a	tent. If an assigne ssignment. and STATE OR C	OUNT	RY)		
lease check the appropri	iate assignee category or	categories (will not be pr	rinted on the patent):		Individual 🖵 Co	rporati	on or other private gro	up entity	y Government
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_ ` .	tus (from status indicated s SMALL ENTITY statu		□ b. Applicant is no	long	er claiming SMAI	I ENT	ΓΙΤΥ status. See 37 CF	ID 1 27(a)(2)
OTE: The Issue Fee and	d Publication Fee (if requ	nired) will not be accepted tes Patent and Trademark	d from anyone other th						
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APPLICATION NO.	FILING DATE	FILING DATE FIRST NAMED INVENTOR		CONFIRMATION NO.	
10/823,634	04/14/2004	Shinya Inagaki	826.1633D	4656	
21171 75	21171 7590 04/17/2008		EXAMINER		
STAAS & HALS	SEY LLP	DOAN, JENNIFER			
SUITE 700			ART UNIT	PAPER NUMBER	
1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			2874 DATE MAILED: 04/17/2008		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)			
	10/823,634	INAGAKI ET AL.			
Notice of Allowability	Examiner	Art Unit			
	JENNIFER DOAN	2874			
	JENNIFER DOAN	2074			
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this or other appropriate communicat GHTS. This application is subject	application. If not included ion will be mailed in due course. THIS			
1. \boxtimes This communication is responsive to <u>Request for Continue</u>	d Examination filed on 03/24/08 .				
2. The allowed claim(s) is/are 92-96 and 98-105.					
3. Acknowledgment is made of a claim for foreign priority ur	nder 35 U.S.C. § 119(a)-(d) or (f).				
a) ☑ All b) ☐ Some* c) ☐ None of the:					
 Certified copies of the priority documents have 	e been received.				
2. Certified copies of the priority documents have	been received in Application No.	· ·			
3. Copies of the certified copies of the priority do	cuments have been received in th	nis national stage application from the			
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		ply complying with the requirements			
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give					
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.				
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Review (PT	O-948) attached			
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date					
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the	e Office action of			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t					
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT					
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Informa	al Patent Application			
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summa				
3. ☐ Information Disclosure Statements (PTO/SB/08),	Paper No./Mail I 7.	Date			
Paper No./Mail Date					
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	8. ⊠ Examiner's State 9. □ Other	ement of Reasons for Allowance			
	<u> </u>				
	/Jennifer Doan/ Primary Examiner, Art U	Jnit 2874			

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Art Unit: 2874

DETAILED ACTION

1. The RCE and amendment, filed 03/24/08 has being acknowledged and entered. By this amendment, claims 92-96 and 98-105 are pending in the application.

Drawings

2. The drawings, filed on 04/14/04, are accepted.

Specification

3. Applicants' cooperation is requested in correcting any errors of which applicants may become aware in the specification.

Reasons for Allowance

- 4. Claims 92-96 and 98-105 are allowed.
- 5. The following is an examiner's statement of reasons for allowance:

The prior art of record fails to disclose or reasonably suggest all the limitations recited in claim 92. Specifically, the prior art of record fails to disclose an apparatus comprising a first compensator compensating wavelength dispersion, the first compensator having a constant wavelength dispersion characteristic over a plurality of wavelengths; and a second compensator compensating wavelength dispersion after wavelength dispersion is compensated by the first compensator, wherein the first and second compensators together compensate for wavelength dispersion dependent on a

Page 3

imaged phased array (VIPA) dispersion compensator.

Claims 93-96 depend from claim 92.

The prior art of record also fails to disclose or reasonably suggest all the limitations recited in claim 98. Specifically, the prior art of record fails to disclose an apparatus comprising first means for compensating wavelength dispersion, the first means having a constant wavelength dispersion characteristic over a plurality of wavelengths; and second means for compensating wavelength dispersion after wavelength dispersion is compensated by the first means, wherein the first and second means together compensate for wavelength dispersion dependent on a respective wavelength of a transmission line, wherein the first means is a virtually imaged phased array (VIPA) dispersion compensator.

Claim 99 depends from claim 98.

The prior art of record also fails to disclose or reasonably suggest all the limitations recited in claim 100. Specifically, the prior art of record fails to disclose an apparatus comprising a first compensator compensating for wavelength dispersion, the first compensator having a constant wavelength dispersion characteristic over a plurality of wavelengths; and a second compensator compensating for dispersion slope over the plurality of wavelengths after the compensation by the first compensator.

Claims 101-105 depend from claim 100.

Any comments considered necessary by applicant must be submitted no later

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than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer Doan whose telephone number is (571) 272-2346. The examiner can normally be reached on Monday to Thursday from 6:00am to 3:30pm, second Friday off.
- 7. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rodney Bovernick can be reached on (571) 272-2344. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 2874

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jennifer Doan/
Primary Examiner, Art Unit 2874